

*Ufa--Geology*  
BALAYEV, V.A.; YEGOROVA, N.P.

On the tectonic development of the Ufa Plateau. Dokl. AN SSSR 112  
no.5:923-926 P '57. (MLRA 10:4)

1. Geologicheskiy institut Akademii nauk SSSR. Predstavleno  
akademikom S.I. Mironovym.  
(Ufa--Geology, Structural)

YEGOROVA, N.P.; VASIL'YEVA, N.I.; USTYUZHANINA, N.S.

Bitumen content and distribution in Devonian terrigenous sediments  
of western Bashkiria. Geol. nefi i gaza 5 no.11:44-46 II '61.  
(MIRA 14:11)

1. Ufimskiy neftyanoy nauchno-issledovatel'skiy institut.  
(Bashkiria--Bitumen--Geology)

YEGOROVA, N.P., aspirant

Leaf spot (Ramularia infection) of safflower. Zashch.rast.ot.vred.i  
bol.4 no.4:34-35 JI-Ag '59.

(MIRA 16:5)

1. Tashkentskiy sel'skokhozyaystvennyy institut.  
(Safflower-Diseases and pests) (Leaf spot)

MELESHKO, V.P.; YEGOROVA, N.P.

Use of molasses as raw material for the production of glutamic acid. Sakh. prom. 36 no.12:5-6 D '62. (MIRA 16:6)

1. Voronezhskiy gosudarstvennyy universitet.  
(Glutamic acid) (Molasses)

YEGOROVA, N.P.

CA

9

Standardization of chemical methods of testing metallic coatings. N. A. IZGAR-  
 UIMIRY AND N. P. YEGOROVA. *Tekhnika Metal.* 1931, 713-19 — From a study of the rela-  
 tive merits of various chem. methods for detn. of thickness and uniformity of Zn coat-  
 ings the authors recommend the method of Bauer ( $H_2O_2$  and  $As_2S_3$ ) for the detn.  
 of thickness, and the method of Werulund ( $AcOH$  and  $H_2O_2$ ) for detection of holes in  
 the Zn coatings. The  $CuSO_4$  method is considered incorrect and is not recommended.  
 B. N. DANILOFF

ABB-51.4 METALLURGICAL LITERATURE CLASSIFICATION

YEGOROVA, N. P.

Mbr., Moscow Order Lenin State Univ. im. M. V. Lomonosov, -1947-.

"The Isomerization of Polymethylene Hydrocarbons under the Influence of Aluminium Chloride: XII. On Optimum Conditions of the Isomerization of Alkylcyclopentanes,"

Zhur. Obshch. Khim., 16, No. 6, 1946;

"Catalytic Properties of Tantalum and Niobium Pentoxides," Dok. AN, 57, No. 3, 1947.

Mbr., Lab. Organic Catalytic Chemical Faculty, Moscow State Univ., -1945-.

YEGOROVA, N. P.

**Isomerization of polymethylene hydrocarbons under the influence of aluminum chloride. XII. Optimum conditions of the isomerization of alkylcyclopentanes.** M. B. Turova-Pollak, N. P. Egorova, and E. N. Petrova (Moscow State Univ.). *J. Gen. Chem.* (U.S.S.R.) 16, 825-8 (1946); *cf. C.A.* 39, 4060<sup>2</sup>.—Ethyl-, propyl-, and butylcyclopentanes with 1/2 molar amt. of  $AlCl_3$  evolved heat spontaneously. In all cases isomerization into cyclohexane derivs. occurred (97.8, 80.0, and 68.4%, resp.). The latter class were identified by sulfonation of the dehydrogenated products, followed by hydrolysis of the sulfonic acids; the results indicated isomerization to methylcyclohexane, dimethylcyclohexane, and trimethylcyclohexane, resp. When the reaction mixts. were heated to the b.p. of the starting hydrocarbons, the yields rose to 100, 91.8, and 89%, resp. The low yield in the last case was apparently due to incipient cracking of the hydrocarbon at the b.p. (169°). XIII. Isomerization of ethylcycloheptane. M. B. Turova-Pollak and E. N. Petrova (Moscow State Univ.). *Ibid.* 829-31.—It was shown that in the course of the interaction of ethylcycloheptane (I) with  $AlCl_3$

(with spontaneous heat evolution) there takes place an isomerization into derivs. of cyclohexane to the extent of 18-20%. The hydrocarbon- $AlCl_3$  mol. ratio was 3:1, max. temp. 57°; no gas evolution was observed. The reaction products b. 117-60° and ranged in  $n_D^{20}$  from 1.4330 to 1.4370; thus, although the b.ps. were higher than those known for the isomeric trimethylcyclohexanes, the values of  $n$  were within the expl. error range. The products were again subjected to treatment with  $AlCl_3$  with heating 18 hrs. to 110-5°. The bulk of the product now b. 138-46°,  $n_D^{20}$  1.4278-1.4320, consists very close to those of the isomeric trimethylcyclohexanes. The products were dehydrogenated over Pt-charcoal at 300-5° and were sulfonated by  $H_2SO_4/H_2O$ , which showed the presence of about 85% cyclohexane derivs. in the catalyze. After hydrolysis of the sulfonated products, the resulting hydrocarbon mixt. b. 163-7°,  $n_D^{20}$  1.5005,  $d_4^{20}$  0.8678, while nitration gave a product, m. 235°, which corresponded to that of 2,4,6-trinitro-1,3,5-trimethylbenzene. When I was passed 5 times over Pt-charcoal at 305-10°, its  $n_D^{20}$  changed from 1.4176 to 1.4870, indicating partial isomerization to the trimethylcyclohexane isomer mixt. Bromination of I in the presence of  $AlBr_3$  gave a bromide, m. 224-6° (from  $MePh$ ), which corresponds to the m.p. of 2,4,6-tribromo-1,3,5-trimethylbenzene. G. M. Kosolapoff

CA Y. SOROVA, N. K.

2

The catalytic properties of the pentoxides of columbium and tantalum. A. A. Balandin and N. P. Egorova (State Univ., Moscow). *Doklady Akad. Nauk S.S.S.R.* 30, 255-8(1947); *Chem. Zentr.* (Russian Zentr. Ed.) 1948, 1, 1168; cf. *C.A.* 45, 1634f. — The 12 catalytic preps. studied included:  $\text{Cb}_2\text{O}_5$  +  $\text{Ta}_2\text{O}_5$  in varying proportions alone, on asbestos, on  $\text{Al}_2\text{O}_3$ , also with the addn. of Cb or Ta metal; pure Cb and Ta metals; and  $\text{V}_2\text{O}_5$  alone and on asbestos. These preps. were tested as catalysts for reactions at 300–500°, which included oxidation (of naphthalene), dehydration (isopropyl alc., cyclohexanol), and esterification (benzyl alc. +  $\text{HOAc}$ ). The oxides were more effective catalysts than the preps. contg. metallic Cb and Ta. The catalytic activity of  $\text{Ta}_2\text{O}_5$  was about 1.3 times that of  $\text{Cb}_2\text{O}_5$ . Comparison with  $\text{V}_2\text{O}_5$  showed that the latter was especially effective as a catalyst for dehydrogenation whereas  $\text{Cb}_2\text{O}_5$  and  $\text{Ta}_2\text{O}_5$  catalyzed dehydration reactions predominantly. This observation is in good agreement with the multiplet theory (cf. *C.A.* 48, 2852b), since the point of attack for the catalysts (C-C = 1.54 Å., C-O = 1.43 Å., and O-H = 1.01 Å.) approximates the ionic radius (V = 1.36, Cb = 1.47, and Ta = 1.49 Å.). Dehydrogenation is closely related to oxidation and dehydration is closely related to esterification. Accordingly,  $\text{Cb}_2\text{O}_5$  and  $\text{Ta}_2\text{O}_5$  are weak oxidizing but good esterifying catalysts. M. G. Moore



YEGOROVA, N. F., Cand Chem Sci -- "<sup>New</sup>~~Recent~~ <sup>micro</sup>microscopic methods  
of determining carbon and hydrogen, <sup>the</sup> and simultaneous deter-  
minations of carbon, hydrogen, and halogens (Cl, Br)."  
Mos, 1961. (Inst of Elem Org Compounds of Acad Sci USSR)  
(KL, 8-61, 231)

- 75 -

46220VA, N. 11.  
KOITYPIN, Aleksandr Alekseyevich, prof.; LANGOVOY, Nikolay Ivanovich, prof.;  
VLASOV, Viktor Alekseyevich, prof.; red.; YNGOROVA, N.S., red.;  
BML'CHIKOVA, Yu.S., tekhn. red.

[Children's diseases] Detskie bolezni. Pod red. V.A. Vlasova. Izd.9.  
Moskva, Gos. izd-vo med. lit-ry, 1956. 498 p. (MIRA 11:7)  
(PEDIATRICS)

VLASOV, V.A.; professor; OSINOVSKIY, N.I.; POPOV, K.F.; TITOVA, A.I.;  
YEGOROVA, H.S., red.; GABERLAND, M.I., tekhn.red.

[Textbook of children's diseases for students in the department  
of therapy of medical institutes] Uchebnik detskikh boleznei  
dlia studentov lechebnykh fakul'tetov meditsinskikh institutov.  
Pod red. V.A. Vlasova. Moskva, Gos.izd-vo med. lit-ry, 1958.  
511 p. (MIRA 12:1)

(CHILDREN--DISEASES)

YEGOROVA, N.S., kand.med.nauk; OLEYNIK, L.I.

Secondary diseases in chicken pox. *Pediatrics* 38 no.12:63 '60.  
(MILK 14:2)

1. Iz detskogo revmaticheskogo otdeleniya sanatoriya "Podmoskov'ye"  
(glavnyy vrach M.N. Chiknavorov).  
(CHICKEN POX) (RHEUMATIC FEVER)

PEKHTEREVA, S.I., dots.; BROUDE, L.M., prof., red.; YEGOROVA, N.S.,  
red.; BIRKENVAL'D, G.V., tekhn. red.

[Manual on laboratory exercises in biological chemistry for  
students of medical schools] Rukovodstvo k prakticheskim zania-  
tiyam po biologicheskoi khimii dlia studentov meditsinskikh  
institutov. Pod red. L.M.Broude. Moskva, 1-i Mosk. med. in-t  
im. I.M.Sechenova. 1962. 216 p. (MIRAA 16:2)  
(BIOCHEMISTRY—LABORATORY MANUALS)

YEGOROVA, N.V.

Seasonal changes in certain chemical properties of southern  
Karelian soils. Trudy Kar. fil. AN SSSR no.9:169-185 '57.  
(MIRA 12:1)

(Karelia--Soil chemistry)

YEGOROVA, N.V.

Intracutaneous reaction in dysentery. Zhur. mikrobiol. epid. i  
immun 28 no.2:78-82 F '57 (MLRA 10:4)

1, Iz Samarkandskogo meditsinskogo instituta imeni akad.  
I.P. Pavlova.

(DYSENTERY

intracutaneous purified endotoxin reaction in health &  
in various stages of dysentery)

YEGOROVA, N.V.

Dynamics of some chemical properties of forest and cultivated  
soils of southern Karelia. Trudy Kar. fil. AN SSSR no.29:27-37 '61.  
(MIRA 15:2)

(Karelia—Soil chemistry)



YEGOROVA, N.V.; KULIKOVA, V.K.

Changes in the chemical properties of soils as the result of  
clearing cutovers. Trudy Kar.fil.AN SSSR no.34:58-70 '62.  
(MIRA 16:1)

(Karelia—Soil chemistry)

(Clearing of land)

NEKLESOVA, I.D.; YEGOROVA, N.V.

Chemical structure and antimicrobe properties of organophosphorus compounds. Dokl. AN SSSR 154 no.1:155-157 Ja'64. (MIRA 17:2)

1. Khimicheskiy institut im. A.Ye. Arbuzova AN SSSR, Kazan'.  
Predstavleno akademikom A.Ye. Arbuzovym.

L 36474-66 EWT(1)/EWT(m)/ESP(j) RM/RO

ACC NR: AP6027042

SOURCE CODE: UR/0020/66/166/005/1121/1124

AUTHOR: Neklesova, I. D.; Yegorova, N. V.; Kudrina, M. A.  
ORG: Chemical Institute im. A. Ye. Arbuzov, AN SSSR (Khimicheskiy institut AN SSSR)  
TITLE: Fungicidal properties and toxicity of the thioesters of certain trivalent arsenic acids with respect to warm-blooded animals  
SOURCE: AN SSSR. Doklady, v. 166, no. 5, 1966, 1121-1124

TOPIC TAGS: ester, mouse, fungus, toxicity, fungicide, organic arsenic compound  
ABSTRACT: Thirty-five thioesters of trivalent arsenic acids, synthesized at the Chemical Institute imeni A. Ye. Arbuzov under the direction of G. Kh. Kamay, were investigated for activity with respect to warm-blooded animals (white mice) and pathogenic fungi (Trichophyton gypseum, Epidermophyton, and others). The compounds were dissolved in ethyl alcohol and emulsified with 2% aqueous solution of gelatin. The toxicity of these compounds with respect to the test specimens was in most cases found to be high, but some compounds had a greater suppressive effect on fungi than on mice and vice versa. For example, diphenylarsinic acid, while highly toxic to mice, did not suppress the growth of fungi even when in 0.5% concentration. It is possible that the fungicidal effect of the esters of diphenylthioarsenous acid is due to bis-(diphenylarsine)-oxide, the more so as the fungicidal effect of the esters manifests itself in concentrations very close to those of these compounds despite the presence of different SR-groups. The authors thank N. A. Chadayeva, G. A. Usacheva and K. A. Mamakov for submitting the compounds for investigation. Orig. art. has 3 tables. /JPRS: 36,455/

SUB CODE: 07,06/ SUBM DATE: 07Jun65/ ORIG REF: 005

UDC: 541.69

Card 1/1

5-1-1

0030

ACC NR: AT6024945  
 L 15970-66  
 EWP(M)/T/EWP(W)/EWP(E)/ETI LWP(C) JU/ID/WH  
 (A,N) SOURCE CODE: UR/2981/66/000/004/0303/0306  
 AUTHOR: Kutaytseva, Ye. I.; Komissarova, V. S.; Butusova, I. V.; Yegorova, N. V.;  
 Usacheva, R. P.

ORG: none

TITLE: High-strength corrosion-resistant V91 alloy

51  
B+1

SOURCE: Aluminiumyevyye splavy, no. 4, 1966. Zharoprochnyye i vyokoprochnyye splavy  
 (Heat resistant and high-strength alloys), 303-306

TOPIC TAGS: aluminum alloy property, high strength alloy, corrosion resistant alloy

ABSTRACT: The corrosion-fatigue properties of alloys of the Al-Mg-Zn system were studied at a constant content of 4% Zn, 0.35% Mn, and 0.17% Cr, with admixtures of copper from 0 to 1.5% and magnesium from 0 to 4%. Rod specimens were quenched from 477°C in water and air, and aged for 4 hr at 100°C + 8 hr at 157°C. The optimum composition of the alloy was given the designation V91. It contained 3.7-4.5% Zn, 1.6-2.0% Mg, 0.6-1.0% Cu, 0.1-0.25% Cr, 0.2-0.5% Mn, bal. aluminum. The strength characteristics of this alloy were determined. In absolute values, the corrosion-fatigue strength of V91 is higher than that of AV1 and AD33 alloys, but from the standpoint of loss of fatigue strength resulting from the attack of the corrosive medium (0.001% NaCl), V91 is inferior to AD33. It is concluded that semifinished products of V91

Card 1/2

1. 46970-86

ACC NR: AT6024945

have high static and dynamic properties with a satisfactory corrosion resistance, and are easy to produce. Orig. art. has: 1 figure and 3 tables.

SUB CODE: 11/ SUBM DATE: none/ OTH REF: 005

*NJ*  
Card 2/2

ZALIKIN, G.; YEGOROVA, O. (Moskva)

For a wider involvement of the people in the campaign for a healthy  
life. Fel'd. i akush. 25 no.4:18-21 Ap '60. (MIRA 14:5)  
(TULA PROVINCE—PUBLIC HEALTH)

YEGOROVA, O. G.  
YEGOROVA, O. G.

Heart - Diseases

Effect of age upon the condition of the physiological system and of connective tissue  
in heart diseases. Medych. zhur. 20 No. 6, 1951

9. Monthly List of Russian Accessions, Library of Congress, August 1952<sup>2</sup>. Unclassified.

YEGOROVA, O. O. (Kuybyshev)

Changes in breathing in patients with heart defects. Klin. med. 32  
no.12:53-56 D '54. (MLRA 8:3)

1. Iz fakul'tetskoy terapev. kliniki (zav. -prof. N.M.Kavetskiy)  
i kafedry normal'noy fiziologii (zav. chlen-korresp. AMN SSSR prof.  
V.M.Sergiyevskiy) Kuybyshevskogo med. inst. (dir.-prof. T.I.Yeroshev-  
skiy.)

(HEART DISEASE, physiology  
resp. changes)

(RESPIRATION, in various diseases  
heart dis.)



KASATOCHKIN, V. I. (Moskva); YEGOROVA, O. I. (Moskva); GAVRILOVA,  
O. I. (Moskva)

Spectrochemical characteristics of the metamorphism of coal.  
Izv. AN SSSR, Otd. tekhn. nauk. Met. 1 topl. no.6:192-195  
N-D '62. (MIRA 16:1)

(Coal—Spectra) (Metamorphism(Geology))

10

CO

The action of nitrogen tetroxide on simple ethers. O. I. Kozlov. *Ukrainska Khim. Zhur.* 4, Ser. 17, 103-8(1929).—In studying the action of  $N_2O_4$  on (ben-Arm) $_2$  and  $Ph_2O$ , E. concludes that in the aromatic series  $N_2O_4$  does not rupture the mol. at the O as with the simple ethers of the paraffin series. The  $NO_2$  group enters the ring preferably in the  $\beta$ -position. E. BILLOUS.

ASD SEA METEOROLOGICAL LITERATURE CLASSIFICATION

BC

111 AND 110 CODES

PROCESSED AND PROSPECTIVE WORK

12

Action of oxides of nitrogen on ethers. II. Action of nitrogen peroxide on mixed aliphatic-aromatic ethers. O.I.-I. Enomova. (J. Russ. Phys. Chem. Soc., 1930, 62, 1097-1100).—The products of the prolonged action of nitrogen peroxide on phenyl isopropyl ether on reduction yield isovaleric acid and p-methoxyphenyl isopropyl ether, b. p. 274-275° (acetyl derivative, m. p. 103-104°; benzoyl derivative, m. p. 164°); *l*-lys.

R. TRUNKOWSKI.

ASAC-SLA DETAILURENICAL LITERATURE CLASSIFICATION

GROUP SYMBOLS

GROUPS AND ONLY ONE

COLLECTIONS

GROUP SYMBOLS

COLLECT ONE ONLY LIST

21

CA

Humic acids from long-flame coals. H. V. Rakovskii and O. I. Egorova. *Khim. Tverdogo Topliva*, 5, 52-61 (1947). The following coal, oxidized at 90-100° and 110-120°, was extd. with a 2 N soln. of Na<sub>2</sub>CO<sub>3</sub> and NaOH and the ext. treated with a 10% soln. of HCl: H<sub>2</sub>O 12.18, ash 31.32, total S 3.18, N 1.41, C 65.20, H 4.95, C/H 19.1 and O + S 29.29%. The amts. of acids and their characteristics are tabulated. For mixed humic acids, extn. with NaOH is best. Humic acids from oxidized coals are different from those of unoxidized coals. The humic acids from the Moscow long-flame coal are different from those of peat and from the acids obtained from Kassel and Rhine brown coals. A. A. B.

ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION

FROM SYNDICATE

SOURCE MAP ONLY ONE

CITATION

21

CA

Application of the permanganate-number method to determination of the degree of oxidation of coal. (U. S. Pat. 2,778,000). Bull. Acad. Sci. U. R. S. S., Class. sci. 1942, No. 7-8, 107-116; cf. C. A. 38, 4220. — Oxidation of various types of coal is accompanied by the change of their permanganate nos. For some varieties, in the 1st oxidation stage, the no. decreases, and in the 2nd stage, it increases rapidly. For other varieties, almost no change occurs in the 1st stage, with a rapid increase in the 2nd stage. Already in the 1st oxidation stage there are produced changes in the phys. properties of coal, i. e., mech. strength. The permanganate no. can be considered as a basis for detn. of degree of oxidation of coal and for distinguishing old, weathered deposits, from new ones.

G. M. Kosolapoff

Ca

Study of petrographic coal types, of Prokop'yevsk Kiselevskii deposit in Kurbass. II. Application of the permanganate number to coal classification. O. I. Petrova. *Dokl. Akad. Nauk S.S.S.R.*, 1947, No. 6, 17-27, 41. C. A. 38, 1103. A method based on the permanganate no. was developed which permits separ. of the various types of coal into classes according to their chem. and phys. properties. The Prokop'yevsk-Kiselevskii deposit contains 3 classes, one of which has 2 subclasses. The class differences are essentially chem.; the subclasses phys. G. M. Kosolapoff

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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CA

Romanov shales and their semi-coking under laboratory conditions. O. J. Egorova and M. V. Prokina (Inst. Goryuchikh Iskopaemynykh, Akad. Nauk S.S.S.R.). *Bull. Acad. sci. U.R.S.S., Classe sci. tech.* 1946, 167-72.—The shales of the Romanov deposit are stratified, of gray-green color, and interlaid by layers of essentially the same material but containing large quantities of shell remnants. The sp. gr. of the shell-free layers is 1.3-1.4 and their ash content is 34.2%. The sp. gr. of the shell-contg. layers is 1.7 and their ash content is 76.6%. Semi-coking was carried out on a laboratory scale in an Al retort and in an externally heated vertical oven. The products obtained from an av. sample and from a round sample of the shale in the retort were:  $H_2O$  11.7 and 12.9, tar 14.1 and 25.1, semi-coke 60.0 and 54.4, and gas + losses 5.2 and 7.6%. A tar was obtained by repeated low temp. carbonization in the retort. The tar contained 61.3% of  $H_2O$ ; 15% of the  $H_2O$  was suppl. by sedimentation. After removing the rest of the  $H_2O$  the d<sub>44</sub> of the tar was 0.9281 moving the rest of the  $H_2O$  was 3.04. Fractionated, and its Engler viscosity at 20° was 180°. 12.5%; b. 180° the tar yielded fractions b. up to 180° 19.0, lignin fraction (b. 180-225°) 41, and above 225° 41, and above 325° 0.7%. In terms of the shale these fractions were: 2.0, 1.6, 5.2, and 0.7%. The d<sub>44</sub> of  $H_2SO_4$ -washed benzine was 0.7640, its 1 no. 121, and its 3 content 0.807%. M. Horsch

ASD-SLA METALLURGICAL LITERATURE CLASSIFICATION

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*ca*

The problem of analysis and investigation of tar from  
sapropel coals. O. A. <sup>Egorova, Bull. acad. sci.</sup>  
<sup>U.R.S.S., Classe sci. tech. 1947, 221-30.</sup>—Low-temp. tar  
obtained in a yield of 48.4% from Moscow coal (boghead  
type) was distd. to obtain a light and a heavy fraction  
which were analyzed separately. The sum total of bases,  
acids, and phenols in the fractions is approx. the same as  
in the original tar, regardless of whether fire or steam is  
used in distg. the tar. Each fraction was sepd. into its  
constituents by extrn. with Et<sub>2</sub>O and a series of treatments  
with dil. H<sub>2</sub>SO<sub>4</sub> and NaOH, including sepn. of acids from  
phenols in alk. soln. by means of a stream of CO<sub>2</sub>. The  
heavy fraction contained (in %) "free C" 1.2; 4 basic  
constituents: "free bases" 1 1.0, bases II 0.2, substance  
C' insol. in Et<sub>2</sub>O and aq. alkali 1.2, and B which is insol.  
in Et<sub>2</sub>O and weak acid 2.0; 6 acid constituents: A' (being  
the H<sub>2</sub>O-sol. portion of B) 1.3, org. acids 0.2, phenols 0.5,  
CCl<sub>4</sub> 1.7, and D ("tar resins" or "ulmins") 0.14; as-  
phaltenes 0.3; and paraffins 0.08 solid at 20° and 4.9  
The solid at 0°, the balance being neutral oil 84.68. The  
light tar fraction contained only bases I (0.43), bases II  
0.02, acids 0.3, phenols 1.4, and neutral oil 97.85. None  
of the above constituents was investigated further. The  
method enables recovery of those bases and acids which  
are Et<sub>2</sub>O-insol. and which cannot be obtained by the usual  
extrn. with Et<sub>2</sub>O alone. 10 references. B. C. M.

*Instr. Mineral Fuels*

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION



*ca*

The resinification process in light tar distillates. *I.I.*  
Egurova. Izvest. Akad. Nauk S.S.S.R., Odel Tekh. Nauk  
1947, 021-K.—The formation of resins in motor oils is the  
subject of a considerable literature, but the related phenom-  
ena occurring in distillates formed during the produc-  
tion of semicoke from coal have not been investigated  
previously. This type of resin formation was studied by  
detg. the elementary analysis of the gasoline, ligroin,  
kerosene, and higher fractions from a light tar distillate.  
and also of the resins formed in each fraction. The resins  
were always high in N and S; this indicates that N and S  
compds. were active in resin formation. Resinification  
generally proceeds without the O-contg. components in  
the distillate entering into the process. When O-contg.  
compds. are formed during resinification, they are dis-  
tributed between the liquid and solid phases. *H.K.L.*

21

ACCESSION NR: AP3003517

S/0020/63/151/001/0125/0126

AUTHOR: Kasatochkin, V. I.; Yegorova, O. I.; Aseyev, Yu. G.

TITLE: On the atomic structure of carbon in polyne form

SOURCE: AN SSSR. Doklady, v. 151, no. 1, 1963, 125-126 and Fig. 2 on insert following p. 126

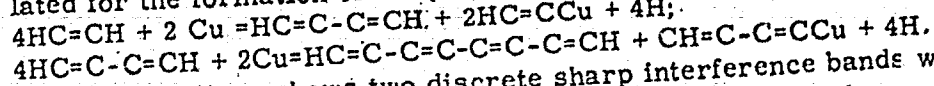
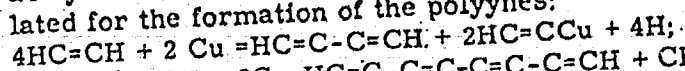
TOPIC TAGS: acetylene, acetylene condensation, copper acetylide oxidation, polyynes, polyne carbon chain, cumulene, cumulene carbon chain, polyene, polyene carbon chain, conjugation, x-ray diffraction, infrared spectra, cross-linking, ordered structure, nonordered structure

ABSTRACT: A study is made of the x-ray diffraction patterns and infrared spectra of carbon products of acetylene condensation prepared at the Institut elementoorganicheskikh soedineniy (Institute of Organoelemental Compounds). The products were obtained by the reaction of acetylene with an aqueous bivalent Cu solution and the subsequent oxidation of the resulting polymeric cupric

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ACCESSION NR: AP3003517

acetylide with potassium ferricyanide. The following is the mechanism postulated for the formation of the polyynes:



The x-ray pattern shows two discrete sharp interference bands which correspond to Bragg's periods of 3.90 and 2.62 Å, respectively. The first band is attributed to intermolecular interference in a bundle of parallel, closely packed linear polyyne chains. The period corresponding to the second band, which may be attributed to intramolecular interference in the carbon chain, was somewhat greater than the sum of the triple and single carbon-carbon bond lengths in a biacetylene molecule. The presence in the x-ray pattern of a background of independent scattering and a wide interference halo revealed a slightly ordered portion of the carbon chains with an average intermolecular distance of approximately 4.0 Å. The infrared spectra of the products contained absorption bands characteristic both of polyyne and curaulene structures in the carbon chain. The polyyne structure was revealed by the strong absorption band of the monosubstituted triple bond system at  $2100\text{ cm}^{-1}$  and the

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disubstituted triple bond system at  $2200\text{ cm}^{-1}$ . Bands characteristic of triple bonds, corresponding to  $\equiv\text{CH}$  at the end of the carbon chain were also present. The structure of cumulene carbon chains revealed a strong absorption band at  $1950\text{ cm}^{-1}$  and a weak band at  $1060\text{ cm}^{-1}$ , both corresponding to cumulated double bonds. An additional wide band with a maximum at  $1640\text{ cm}^{-1}$  was attributed to "cross-linking" of some polyene chains to form a three-dimensional structure of the polyene type. It was concluded that the polymeric carbon products were linear macromolecules with a polyene and (in part) cumulene structure brought together in molecular bundles of parallel chains. Part of the macromolecules are cross-linked to form a nonordered three-dimensional conjugated polyene structure. Orig. art. has: 2 figures.

ASSOCIATION: Institut goryuchikh iskopayemykh (Institute of Mineral Fuels)

SUBMITTED: 01Mar63

DATE ACQ: 30Jul63

ENCL: 00

SUB CODE: 00

NO REF SOV: 002

OTHER: 003

Card 3/3

YEGOROVA, O.I.; MARKOV, L.K.; KASATOCHKIN, V.I.

Spectral investigation of asphaltenes obtained in coal hydrogenation.  
Khim. i tekhn. topl. i masel 8 no.5:31-34 My '63. (MIRA 16:8)

1. Institut goryuchikh iskopayemykh, Vostochno-Sibirskiy filial  
Sibirskogo otdeleniya AN SSSR.

KASATOCHKIN, V.I.; SLADKOV, A.M.; ASEYEV, Yu.G.; KUDRYAVTSEV, Yu.P.;  
YEGOROVA, O.I.; KORSHAK, V.V.

Infrared spectra of polyynes. Dokl. AN SSSR 153 no.2:346-349  
N '63. (MIRA 16:12)

1. Institut goryuchikh iskopayomykh AN SSSR i Institut  
elementoorganicheskikh soyedineniy AN SSSR. 2. Chlen-korrespondent  
AN SSSR (for Korshak).

KASATOCHKIN, V.I.; LARINA, N.K.; YEGOROV, O.I.

Common features of the structure and properties of humic  
substances in peat and coals. Zhur.príkl.khím. 38 no.9:2059-  
2066 S '65. (MIRA 18:11)

VARPOLOMEYEVA, Ye.K.; ZOLOTOVA, Z.G.; YEGOROVA, O.N.; ANTONOVA, N.K.,  
(g.Ul'yanovsk).

Growing crystals from solutions. Khim. v shkole 11 no.1:58-62  
Ja-P '56. (Crystallography) (MLRA 9:2)



12  
5-  
454j  
Phosphorites in the upper Proterozoic deposits of the  
Western Near-Baikal region V. D. Mats, O. P. Fergova  
and A. K. Babkin (Izvestiya Akademii Nauk SSSR, Seriya  
Geologicheskaya, 1978, No. 1, p. 115-118, 1 fig., 1 table, 1  
ref.)

Werner Jacobson 11

YEGOROVA, O. P., Cand Geol-Min Sci. -- (diss) "Phosphorite potential of the Upper Proterozoic deposits of Western Baikal' region." Moscow, 1960. 18 pp; 1 page of tables; (Academy of Sciences USSR, Geological Inst); 150 copies; price not given; (KL, 22-60, 133)

YEGOROVA, O.P.

Genetic types of phosphorites in the western Baikal region. Geol.  
i geofiz. no.7:31-49 '60. (MIRA 13:9)

1. Vostochno-Sibirskiy filial Sibirskogo otdeleniya AN SSSR.  
(Baikal Region--Phosphorites)

YEGOROVA, O.V.

Treatment of the chronic solar syndrome. Sov. med. 22 no.12:44-47 D '58.  
(MIRA 12:1)

1. Iz nevrologicheskogo otdeleniya (zav. - prof. N.S. Chatverikov)  
TSentral'nogo instituta kurortologii (Dir. - kand. med. nauk G. N.  
Pospelova) Ministerstva zdavookhraneniya RSFSR.  
(GANGLIA, AUTONOMIC, dis.

chronic solar plexus synd., causes (Rus))

BABETS, Konstantin Konstantinovich; YEGOROVA, Praskov'ya Aleksandrovna;  
SEMENKO, Mikhail Ivanovich; BOYARSKIY, V.A., otv. red.;  
SLAVOROSOV, A.Kh., red.izd-va; LOMILINA, L.N., tekhn. red.

[Blasting in underground ore mining] Vzryvnik pri podzemnoi doby-  
che rud. Moskva, Gosgortekhnizdat, 1962. 146 p. (MIRA 16:2)  
(Blasting)

1. YEGOROVA, F. 3.
2. USSR (600)
4. Swine
7. My work practice. Dost. sel'khoz. no. 11, 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1953, Uncl.

KARASEVA, A.N.; YEGOROVA, P.S.

Treatment of pike roe to disinfect it from plerocercoids of  
Diphylllobothrium latum. Med. paraz. i paraz. bol. 34 no.2:148-151  
Mn-Ap '65. (MIRA 18:11)

1. Astrakhanckaya oblastnaya sanitarno-epidemiologicheskaya  
stantsiya.

~~YEGOROVA~~, R.K., RABOTNOVA, I.L., OZOLINA, G.K. and YELETSAIY, I.K.

On some particularities of the physiology of *Cl. Pasteuriamun*.

Mikrobiologiya. Vol. 21, pp 429, 1952.



YEGOROVA, S. A.

"The Synthesis of Olefinic and Paraffinic Hydrocarbons of Forked Structure: III.

The Reaction between the Hydrobromide of 2,4-Dimethylpentadiene and Alkyl-Magnesium Halides", Zhur. Obshch. Khim., 16, No. 6, 1946.

Mbr., Lab. Organic Chemistry im. N. D. Zelinskiy, Moscow Order Lenin State Univ.

im. M. V. Lomonosov, -1945-.

YEGOROVA, R. P., SHMIDT, M. F., VOLOKHOVA, V. A., BIBIKOVA, V. A.,  
ANISIMOVA, I. I.

"The pathogenesis of the plague infection among various types of  
sand-rats." p. 280

Dez'yatoye Soveshchaniye po parazitologicheskim problemam i  
prirodnooohragovym boleznyam. 22-29 Oktyabrya 1959 g. (Tenth Conference  
on Parasitological Problems and Diseases with Natural Foci 22-29  
October 1959), Moscow-Leningrad, 1959, Academy of Medical Sciences  
USSR and Academy of Sciences USSR, No. 1 254pp.

Central Asiatic Antiplague Inst./Alma-Ata

S/078/62/007/006/016/024  
B119/B138

AUTHORS: Samuseva, R. G., Plyushchev, V. Ye., Yegorova, R. S.

TITLE: Joint solubility of cesium and sodium iodides

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 7, no. 6, 1962, 1415-1417

TEXT: The system NaI - CsI - H<sub>2</sub>O was investigated at 25 and 50°C (isotherm). The solubility polytherm of the system CsI - H<sub>2</sub>O was studied between 0 and 70°C. The solubility of CsI in H<sub>2</sub>O is 27.60% by weight at 0°C and 64.95% by weight at 70°C. The figure shows the solubility isotherms at 25 and 50°C. In the system NaI - CsI - H<sub>2</sub>O, NaI has a very strong salting-out effect on CsI. There are 1 figure and 2 tables. The most important English-language references are: A. Hill, H. Willson, I. Bishop. J. Amer. Chem. Soc., 55, 521 (1933); H. W. Foote. Amer. Chem. J., 29, 207 (1903).

ASSOCIATION: Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M. V. Lomonosova (Moscow Institute of Fine Chemical Technology imeni M. V. Lomonosov)

Card 1/2

Joint solubility of...

S/078/62/007/006/016/024  
B119/B138

SUBMITTED: June 23, 1961

Fig. Solubility isotherms in the system NaI - CsI - H<sub>2</sub>O at 25°C (I) and 50°C (II). A = Solubility of pure NaI in water, B = solubility of pure CsI in water, E = eutonic point. The numbers refer to the single measuring points. Abscissa: % by weight of CsI, ordinate: % by weight of NaI.

Card 2/2 Z

S/Q78/62/C07/C07/008/013  
B117/B101

AUTHORS: Samuseva, R. G., Yegorova, R. S., Flyushchev, V. Ye.

TITLE: Study of the ternary system of sodium bromide - cesium bromide - water

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 7, no. 7, 1962, 1666-1669

TEXT: The solubility isotherms of the system NaBr - CsBr - H<sub>2</sub>O at 25 and 50°C, and the solubility polytherm of the system CsBr - H<sub>2</sub>O at 0 - 80°C were studied. The first mentioned were shown to have three branches corresponding to the crystallization respectively of CsBr, NaBr·3CsBr, of NaBr·2H<sub>2</sub>O (at 25°C), and of NaBr (at 50°C). At 120°C, the binary salt NaBr·3CsBr splits into its components; this was identified by the powder method and confirmed by comparing the interplanar distances calculated from the data for NaBr and CsBr. There are 3 figures and 3 tables. ✓

Card 1/2

**B** YEGOROVA, S.A.

Welding of "Electro rivets" Under Flux Without Need for Piercing the Upper Sheet. (In Russian.) S. A. Egorova, K. L. Mitonova, and N. G. Savchenko. Promyshlennaya Energetika (Industrial Power), v. 6, Aug. 1949, p. 6-7.

Describes above. Basic advantages, i.e., lack of necessity for punching or drilling holes, high productivity with high-quality work, 20-30% saving of electric power, and marked reduction of power consumption over spot welding are emphasized.

KUCHAYEVA, A.G.; YEGOROVA, S.A.

Penetration of antibiotics into perennial plants. Mikrobiologiya  
24 no.3:315-320 My-Je '55. (MLRA 8:7)

1. Institut mikrobiologii Akademii nauk SSSR, Moskva.  
(ANTIBIOTICS, effects,  
on plants, penetration in perennial plants)  
(PLANTS, effect of drugs on,  
antibiotics, penetration in perennial plants)

KRASIL'NIKOV, N.A.; YEGOROVA, S.A.

Restoration of pigmentation and antibiotic properties in leucomutants  
of *Actinomyces coelicolor* by use of microbial metabolites. Dokl.  
AN SSSR 134 no.5:1218-1221 O '60. (MIRA 13:10)

1. Chlen-korrespondent AN SSSR (for Krasil'nikov).  
(ACTINOMYCES) (VARIATION (BIOLOGY)) (BIOTIN)



SUKACHEV, V.N., akademik; MOLCHANOV, A.A.; DYLLIS, H.V., doktor  
biol. nauk; TSEL'NIKER, Yu.L.; KARPOV, V.G.; RAFES,  
P.M.; DIMESMAN, L.G.; PEREL', T.S.; YEGOROVA, S.A.;  
YENIKEYEVA, M.G.; BOL'SHAKOVA, V.S.; ZONN, S.V.;  
ALEKSANDROVA, V.D.; LEBEDEV, D.V., red.

[Fundamentals of forest biogeocenology] Osnovy lesnoi  
biogeotsenologii. Moskva, Nauka, 1964. 573 p.  
(MIRA 18:2)

1. Akademiya nauk SSSR. Laboratoriya lesovedeniya.

KANLYBAYEVA, Zh.M., kandidat tekhnicheskikh nauk; YEGOROVA, S.G., gornyy  
inzhener.

Coal losses in the Karaganda Basin. Vest.AN Kazakh.SSR 11 no.9:42-  
47 S '55. (MIRA 9:1)  
(Karaganda Basin--Coal mines and mining)

YEGOROVA, S.I.

GNUTENKO, M.P.; PAPKOVA, L.A.; MADEZHKO, Z.A.; DEMCHUK, A.I.; YEGOROVA, S.I.

The pigment-producing *Schizosaccharomyces acidodevoratus* and measures for controlling them [with summary in English]. *Mikrobiologiya*, 26 no.2:353-359 My-Je '57. (MIRA 10:10)

1. Saratovskiy gosudarstvennyy universitet.

(FUNGI,

*Schizosaccharomyces acidodevoratus*, pigment-forming strains, control (Rus))

DYSHLER, B.N.; YEGOROVA, S.I.; BALAKIN, V.M., red.; SATYANIDI, L.D.,  
tekhn.red.

[Standard production and wage norms on collective farms]  
Primernye normy vyrabotki i rastsenki na khoziaistvennye  
raboty, vypolniaemye v kolkhosakh. Moskva, 1960. 79 p.  
(MIRA 14:3)

1. Russia (1917- R.S.F.S.R.) Ministerstvo sel'skogo khozyaystva.  
TSentral'naya respublikanskaya normativno-issledovatel'skaya  
stantsiya.

(Collective farms) (Agricultural wages)

FEDOROV, N.I.; YEGOROVA, S.I.

Effect of growth stimulants on phosphorus and calcium uptake by  
woody plants. Fiziol. rast. 10 no.2:227-229 Mr-Apr '63.  
(MIRA 16:5)

1. Saratov Agricultural Institute, Chair of Plant Physiology.  
(Growth promoting substances) (Woody plants)  
(Plants, Effect of minerals on)

DYSHLER, B.N.; DENISOVA, A.A.; YEGOROVA, S.I.; SOKOLOVA, G.S., red.;  
LEVINA, L.G., tekhn. red.

[Collection V-58-2 (consolidated norms and estimates) Rural  
construction and assembly work] Sbornik V-58-2 (ukrupnennyye nor-  
my i mestnosti. Moskva, No.2. [Walls of residential buildings]  
Steny zhilykh zdaniy. 1961. 25 p. (MIRA 16:2)

1. Russia (1917- R.S.F.S.R.) Ministerstvo sel'skogo khozyaystva.  
(Walls)

VASYUTINSKIY, A.I.; YEGOROVA, S.P.

Use of ammonium o-nitrobenzoate in analytical chemistry.  
Zhur. anal. khim. 19 no.6:660-663 '64.

(MIRA 18:3)

1. Odesskiy politekhnicheskii institut. (1)

PROTSAY, F. I., inzh.; YEGOROVA, S. R., inzh.

Staff structure in hydraulic mines. Izv. vys. ucheb. zav.;  
gor. zhur. no.10:113-117 '61. (MIRA 15:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektno-konstruktor-  
skiy institut dobychi uglya gidravlicheskim sposobom.

(Hydraulic mining--Labor productivity)



YEGOROVA, S. V.

DAKHSHELYGER, Ye. K., kandidat meditsinskikh nauk; TURANOVA, Ye. N.,  
kandidat meditsinskikh nauk; LUR'YE, S. S., kandidat meditsinskikh  
nauk; PAK, T. I.; LEVINA, F. A.; YEGOROVA, S. V.; ANDROSOVA, M. N.

Gonorrhea among women reporting to obstetric and gynecological  
institutions. Vest. ven. i derm. no. 3:41-44 My-Je '54. (MLRA 7:8)

1. Iz otdela gonorreii (zav. prof. I. M. Porudominskiy) otdela mikro-  
biologii (zav. prof. N. M. Ovchinnikov) Tsentral'nogo kozhno-venerolo-  
gicheskogo instituta (dir. kandidat meditsinskikh nauk N. M. Turanov)

(GONORRHEA, epidemiology.

\*Russia)

YEGOROVA, S. V.

"Effect of Prolonged Stay of Nodule Bacteria Around the Root System of Leguminous Plants on Their Physiological Activity." Cand Biol Sci, Moscow Order of Lenin Agricultural Academy ineni K. A. Timiryazev, Moscow, 1955. (KL, No 16, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

S. V. YEGOROVA

USSR / Farm Animals, Cattle (Small)

Q-3

Abs Jour: Ref Zhur-Biol., No 2, 1958, 7177

Author : S. V. Yegorova  
Inst : Kuban Agricultural Institute  
Title : The Zootechnical Basis of the Advantage of  
Winter Lambing of Sheep.

Orig Pub: Sb. stud nauch. rabot. Kubansk. s-kh. in-t 1956  
(1957) vyp. 1. 33-38

Abstract: No abstract

Card 1/1

17

YEGOROVA, S.V.

FEDOROV, M.V., doktor biologicheskikh nauk, professor; YEGOROVA, S.V.,  
kandidat biologicheskikh nauk.

Effect of soil conditions on the virulence and nitrogen-fixing  
capacity of the nodule bacteria of clover. Izv.TSKhA no.2:98-113  
'57. (MLRA 10:9)

(Bacteria, Nitrifying)

YEGOROVA, S.V.

FEDOROV, M.V., doktor biol. nauk, prof.; YEGOROVA, S.V., kand. biol. nauk.

Effect of the continuous application of various fertilizers on the virulence and nitrogen-fixing capacity of nodule bacteria in clover [with summary in English]. Izv. TSKhA no.6:85-92 '57. (MIRA 11:3)  
(Fertilizers and manures) (Bacteria, Nitrifying) (Clover)

FEDOROV, M.V., YEGOROVA, G.V.

Effect of the prolonged existence of clover tubercle bacteria  
in Turf-Podzol soil on their physiological activity [with summary  
in English]. Mikrobiologiya 27 no.5:593-599 8-0 '58 (MIRA 11:12)

1. Moskovskaya sel'skokhozyaystvennaya akademiya imeni K.A.  
Timiryazeva.

(MICROORGANISMS, NITROGEN-FIXING)

RUNOV, Ye.V. [deceased]; YEGOROVA, S.V.

Toxicity of dark-grey forest soils under oak woods in the  
forest-steppe zone. Pochvovedenie no.12:71-79 D '63. (MIRA 17:11)

1. Laboratoriya lesovedeniya AN SSSR.

MAKARA, A.M.; ISKRA, A.S.; YEGOROVA, S.V.; YUNGER, S.V.; GORKUNENKO, G.N.;  
NIKUYKO, N.A.; ZANDBERG, S.A.; BRONSHTEYN, L.M.

Technology of electric slay welding of petroleum refining and  
chemical apparatus without normalization. Avtom. svar. 18  
no.5:11-16 My '65. (MIRA 18:6)

1. Institut elektrosvarki im. Ye.O. Patona AN UkrSSR (for Makara,  
Iskra, Yegorova). 2. VPTIkhimnefteapparatury (for Yunger,  
Gorkunenko, Nikuyko). 3. Volgogradskiy zavod im. Petrova (for  
Zandberg, Bronshteyn).



SULTANOV, M.B.; NIGAMATOV, N.N.; YEGOROVA, T.A.

Effect of vincaniline and strychnine on tissue respiration.  
Uzb. biol. zhur. 7 no.6:54-57 '63. (Sov. 17-6)

1. Institut khimii rastitel'nykh veshchestv AN UzSSR.

SHAKHBAZOV, V.G.; YEGOROVA, T.A.

Ecological features of new commercial silkworm breeds. Uch. zap. KGU  
84:73-80 '57. (MIRA 11:11)

1. Kafedra darvinizma i genetiki Khar'kovskogo gosudarstvennogo  
universiteta i Mirgorodskaya sel'skokhozyaystvennaya shkola shelko-  
vodov.

(Silkworm breeding)

KOMPANTSEV, N.N.; BABADZHANOV, S.N.; KAMBULIN, N.A.; YECOROVA, T.A.;  
TUKHMANYAN, A.A.

Results of an investigation of the anthelmintic properties of  
some plants of Uzbekistan. Med.zhur.Uzb. no.7:51-55 J1 '58.  
(MIRA 13:6)

1. Iz kafedry farmakologii (zav. - prof. N.N. Kompantsev) i  
kafedry obshchey gigiyeny (zav. - prof. S.N. Babadzhanov)  
Tashkentskogo gosudarstvennogo meditsinskogo instituta.  
(ANTHELMINTICS) (UZBEKISTAN--BOTANY, MEDICAL)

YEGOROVA, T.A.; SMOLIN, A.N.

Localization and sources of trehalose biosynthesis in the  
organism of the oak silkworm. Dokl. AN SSSR 147 no.1:224-226  
N '62. (MIRA 15:11)

1. Moskovskiy gosudarstvennyy pedagogicheskiy institut  
im. V.I. Lenina. Predstavleno akademikom N.M. Sisakyanom.  
(Silkworms) (Trehalose)

KURMUKOV, A.G.; SULTANOV, M.B.; YEGOROVA, T.A.

Effect of ervamin hydroiodide on the effects caused by acetylcholine and on the activity of cholinesterase in the blood. Farm. alk. no.1:87-93'62. (MIRA 16:9)  
(ALKALOIDS—PHYSIOLOGICAL EFFECT) (CHOLINE)  
(CHOLINESTERASES)

YEGOROVA, T.A.; SMOLIN, A.N.

Trehalose in the body of the tussah moth at various stages of its development. Biokhimiia 27 no.3:476-480 My-Je '62. (MIRA 15:8)

1. Chair of Organic and Biological Chemistry, State Pedagogical Institute, Moscow.

(MOTHS) (TREHALOSE)

YEGOROVA, T.A.

Synthesis and decomposition of trehalose in the larva of the  
Chinese tussah moth. Nauch.dokl.vys.shkoly; biol.nauki no.4:91-  
93 '65. (MIRA 18:10)

1. Rekomendovana kafedroy organicheskoy i biologicheskoy khimii  
Moskovskogo gosudarstvennogo pedagogicheskogo instituta im. V.I.  
Lenina.

YEGOROVA, F. I.

CR

PROPERTIES AND PROPERTIES INDEX

Mobility of copper ions in potassium halide single crystals. B. M. Ponomareva and T. I. Kuzova. *J. Exptl. Theoret. Phys.* (U. S. S. R.) 8, 978-91(1938).

Exptl. data on the mobility of Cu ions in chemically pure NaCl, KCl, KBr and KI crystals are given in 14 figures and tables. The mobility obeys the law  $\mu = \mu_0 e^{-B/T}$ , but  $\mu_0$  and  $B$  have different values above and below a certain discontinuity. The values of  $\mu$  increase along with the cond. with increasing radius of the anion, (Cl < Br < I), or, reversely to the cond. with increasing radius of the cation. Tempering does not alter the cond. of the crystals unless impurities are introduced. The values of  $\mu_0$  and  $B$  for the Cu-contg. crystals are

Substance	$T, ^\circ\text{C}$	$\mu$	$B$
KCl	400-680	2720	10480
	680-760	0.037	6260
KBr	450-600	23.1	11680
	600-710	0.02	8800
KI	600-650	0.42	8700

F. H. Rathmann

ASS-51A METALLURGICAL LITERATURE CLASSIFICATION

ROOM DIVISION

SECTION

COLLECTION

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YEGOROVA, T. I., Engineer--

"Investigation of the Effect of Cutter Parameters on the Cutting Process."  
Sub 20 May 47, All-Union Sci Res Inst of Mechanization and Electrification  
of Agriculture (VIME)

Dissertations presented for degrees in science and engineering in Moscow  
in 1947.

SO: Sum.NO. 457, 18 Apr 55

38156. YEGOROVA, T.I.

Issledovaniya geometrii nozhey (sel'skokhozyaysttennykh mashin].  
Trudy Vsesoyuz. Nauch.-issled. in-ta mekhanizatsii sel. khoz-va.  
t. XII, 1949, s. 95-132

YEGOROVA, T. I., Doc Tech Sci (diss) -- "Phenomena of autooscillation and resonance in a threshing machine". Moscow, 1959. 35 pp (Min Agric USSR, Leningrad Agric Inst), 150 copies (KL, No 23, 1959, 164)

YAGOROVA, T.I., kand.tekhn.nauk

Conference on agricultural machinery. Mekh.i elek.sots.sel'khoz.  
20 no.4:57 '62. (MIRA 15:8)  
(Agricultural machinery--Congresses)

YEGOROVA, T.I.

The 10th conference on agricultural machinery. Trakt. i sel'khoz mash.  
no.3:48 Mr '65. (MIRA 18:5)

Category : USSR/Radiophysics - Application of radiophysical methods

I-12

Abs Jour : Ref Zhur - Fizika, No 1, 1957, No 1979

Author : Khaykin, S.E., Yegorova, T.M., Korol'kov, D.V.

Title : Radio Telescope Output Stage with a Time Constant on the Order of Several Hours.

Orig Pub : Tr. 5-go soveshchaniya po vopr. kosmogonii. 1955, M., AN SSSR, 1956, 131-135, diskus. 136-137

Abstract : To insure stable operation of the output part of a radio telescope during the accumulation time, the narrow-band amplifier and the synchronous detector were replaced by a system comprising a vibration galvanometer, tuned to the modulation frequency, and a bridge containing two photo-resistors and a d-c galvanometer, connected in the diagonal. The reference voltage is applied to the second diagonal of the bridge. The d-c component of the current in the bridge diagonal appears only when the pointer of the vibration galvanometer alternately illuminates the photo-resistors of the bridge in synchronism with the standard voltage. Prolonged accumulation is effected photographically. The d-c galvanometer scale is replaced by a photographic plate. In the absence of a signal, the plate becomes blackened by the noise, and the maximum blackening coincides with the zero position of the pointer of the output galvanometer. In the presence of a signal the maximum blackening will shift

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Category : USSR/Radiophysics - Application of radiophysical methods

I-12

Abs Jour : Ref Zhur - Fizika, No 1, 1957, No 1979

from the zero position. This shift is determined after a prolonged exposure by a photometric analysis of the plate. The longer the exposure, the less detectable the shift. The system described was breadboarded and tested. FS-A1 photo-resistors and a M-501 vibration galvanometer were used. With an exposure on the order of 1--2 hours, the signal was reliably recorded with an approximate signal noise ratio of approximately  $10^{-5}$ .

Card : 2/2

87450

6.9417

3.1730 (1126, 1127, 1129)

S/035/60/000/012/008/019  
A001/A001

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1960, No. 12,  
p. 46, # 12254

AUTHORS: Yegorova, T. M., Ryzhkov, N. F.

TITLE: A New Observational Method of Narrow Spectral Lines in Radio Range

PERIODICAL: Izv. Gl. astron. observ. v Pulkove, 1960, Vol. 21, No. 5, pp. 140-152  
(English summary)

TEXT: A new method of observing narrow spectral lines is described, which is applicable to wavelengths of centimeter, decimeter and meter ranges. Equipment operating by this method is described and the results of its investigation are presented. The results are described of an attempt of detecting the spectral line of the Galaxy's excited hydrogen on the 91.2-cm wavelength due to the transition from the 272 level to the 271 one. An extended accumulation of the "signal" by means of the photographic method was employed for increasing the sensitivity. There are 15 references.

Translator's note: This is the full translation of the original Russian abstract. Author's summary

Card 1/1



YEGOROVA, Tat'yana Mikhaylovna; KANIVETS, M.A., retsenzent; RYZHIKH, I.I., starshego prepod., retsenzent; STEPANOV, S.P., assistant, retsenzent; GENDEL'MAN, M.A., prof., retsenzent; GENDEL'MAN, A.M., kand. ekon. nauk, retsenzent; KUROPATENKO, F.K., prof., retsenzent; KONTOVICH, I.A., starshiy prep., retsenzent; YEROFEYENKO, A.G., assisten, retsenzent; DAVYDOV, G.P., red.; SHAMAROVA, T.A., red. izd-va; SUNGUROV, V.S., tekhn. red.

[Topographical drawing] Topograficheskoe cherchenie. Moskva, Geodezizdat, 1961. 158 p. (MIRA 15:8)

1. Zaveduyushchiy kafedroy geodezii Omskogo sel'skokhozyaystvennogo instituta (for Kanivets). 2. Zaveduyushchky kafedroy zamleustroystva TSelinogradskogo sel'skokhozyaystvennogo instituta (for Gendel'man, M.A.). 3. Zaveduyushchiy kafedroy zemleproyektirovaniya i planirovki sel'skikh zaselennykh mest Belorusskoy sel'skokhozyaystvennoy akademii (for Kuropatenko). (Topographical drawing)

32771  
S/194/62/000/005/116/157  
D230/D308

3,1720

AUTHORS: Gosachinskiy, I.B., Yegorova, T.M., and Ryzhkov, N.F.

TITLE: Results of observation of the solar eclipse on  
February 15, 1961 at 21 cm wavelength

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika,  
no. 5, 1962, 38, abstract 5zh264 (Solnechnye dannye,  
1961, no. 7, 70-73)

TEXT: The results of observation of the partial solar eclipse on  
February 15, 1961, are examined. Observations were carried out in  
Pulkovo at 21 cm; a radio telescope with a 4m parabolic mirror and  
a 5 Mc/s band compensation receiver were employed, time constant  
being 1 sec. The curve of the variation of flow of solar radiation  
and also its derivative are given. Two local sources have been  
found with certainty, one connected with the group of spots no. 41  
and the other with the floccule. The angular dimensions of the lo-  
cal source above the spot were 2' x 4'.6 and brightness temperature  
 $2.1 \times 10^{60}$  K; the angular dimensions of the region connected with  
Card 1/2

Results of observation of the ...

S/194/62/000/005/116/157  
D230/D308

the floccule were 1'6 x 3'3 and brightness temperature  $1.2 \times 10^{60}$  K.  
[Abstractor's note: Complete translation].

✓

Card 2/2

S/033/63/040/001/003/016  
E032/E514

AUTHORS: Ryzhkova, N.F., Yegorova, T.M., Gosachinskiy, I.V.  
and Bystrova, N.V.

TITLE: Absorption of radiation due to the Sag-A source  
by neutral interstellar hydrogen

PERIODICAL: Astronomicheskii zhurnal, v.40, no.1, 1963, 17-22

TEXT: The large Pulkovo radiotelescope was used in 1961 to record the continuous spectrum of Sag-A at 21 cm. The beamwidth at half-power points of this telescope was  $0.14^\circ$  and  $5^\circ$  in the horizontal and vertical planes, respectively. The bandwidth of the receiver was 1.5 Mc/s. The average transit curves for Sag-A exhibit the structural details noted by Drake (Nat. Rad. Astron. Obs., USA, Ann.report; 2, 1959). A receiver with a bandwidth of 80 kc/s was used to investigate the absorption of Sag-A emission by neutral hydrogen in the neighbourhood of the sun and in the expanding spiral arm at 3 kpc from the centre of the Galaxy ( $v = -53$  km/s). All the components of the source undergo roughly the same absorption by hydrogen in the vicinity of the sun. The radiation from the south-western part of Drake's ring

Card 1/2

Absorption of radiation due ...

S/033/63/040/001/003/016  
E032/E514

( $\alpha_{1950} = 17^{\text{h}}41^{\text{m}}2^{\text{sec}}$ ,  $\delta_{1950} = -29^{\circ}30'$ ) is not apparently subject to absorption in the spiral arm. There are 3 figures. ✓

ASSOCIATION: Glavnaya astronomicheskaya observatoriya Akademii nauk SSSR  
(Main Astronomical Observatory of the Academy of Sciences USSR)

SUBMITTED: February 26, 1962

Card 2/2

YEGOROVA, T.M.

Observations of the radio source Sagittarius B in the interstellar hydrogen line at 21 cm. wave length. Astron.zhur. 40 no.2:382-384  
Mr-Apr '63. (MIRA 16:3)

1. Glavnaya astronomicheskaya observatoriya AN SSSR.  
(Radio astronomy)

RYZHKOV, N.F.; YEGOROVA, T.M.; GOSACHINSKIY, I.V.; BYSTROVA, N.Y.

Attempt to observe radio emission of Seki-Lines' comet (1962e).

Astron. tsir. no.231:6-8 N '62.

(MIRA 16:4)

1. Glavnaya astronomicheskaya observatoriya AN SSSR.

(Comets—1962)

(Radio astronomy)

BYSTROVA, N.V.; GOSACHINSKIY, I.V.; YEGOROVA, T.M.; RYZHKOV, N.F.

Neutral hydrogen in the direction of nebula NGC 6518 (Omega). Astron.  
tsir. no.244:1-4 My '63. (MIRA 17:2)

1. Glavnaya astronomicheskaya observatoriya AN SSSR.



BYSTROVA, N.V.; GOSACHINSKIY, I.V.; YEGOROVA, T.M.; RYZHKOV, N.F.

High-resolution observations of radiosources W 44 and W 28 on  
the 21 cm. wavelength. Astron.tsir. no.269:1-3 N '63.

(MIRA 17:4)

1. Glavnaya astronomicheskaya observatoriya AN SSSR, Pulkovo.

ESD(45)/AEWL/ESD/ASD(2)-5/ESD/ESD 4)/RAEK(4) GW/MS

ACCESSION NO. AM403333

6/0265/04/000/002/0044/0044

SOURCE: Ref. zh. Astron. Otd. vrep. Abs. 8.61.884

AUTHOR: Byetanova, M. V.; Gogachinskiy, I. V.; Yegorova, T. M.; Ryashkov, N. P.

DATE: 1983. SOURCE: Astron. Otd. vrep. Abs. 8.61.884, 1983, 3-4

GOSACHINSKIY, I.V.; YEGOROVA, T.M.; RYZHKOV, N.F.

Results of observations of the solar eclipse of February 15, 1961,  
at 21 cm. wave. Izv. GAO 23 no.3:73-82 '64.

(MIRA 17:11)

L 46879-66 EWT(1) GW/WS-2

ACC NR: AR6016235

SOURCE CODE: UR/0269/66/000/001/0043/0043

AUTHORS: Bystrova, N. V.; Gosachinskiy, I. V.; Yegorova, T. M.; Ryzhkov, N. F. <sup>37</sup>  
B

TITLE: Radio observations of three postulated remainders of type II supernova outbursts ✓

SOURCE: Ref. zh. Astronomiya, Abs. 1.51.353

REF SOURCE: Izv. Gl. astron. observ. v Pulkove, v. 24, no. 2, 1965, 202-206

TOPIC TAGS: supernova, radio telescope, cosmic radio source, centimeter wave, thin shell structure

ABSTRACT: The results of observations with the large Pulkovo radio telescope of prolonged nonthermal radio sources W 44, W 28, and W 14 are given. The dimensions of the directivity patterns at the declination of the sources are  $7' \times 1^{\circ}.5$ ;  $7' \times 4^{\circ}.5$ ; and  $7' \times 0^{\circ}.8$ , respectively, for a 21-cm wave. The luminosity distribution for the sources in a continuous spectrum does not agree with a three-dimensional model in the form of a spherically symmetric thin shell. Transmission curves at certain frequencies of the profile of the radio line of neutral hydrogen are given. An estimate of the possible upper limit of the distance to the sources is made. Bibliography of 19 citations. Resume [Translation of abstract]

SUB CODE: .03

Card 1/1 *pld*

UDC: 523.164.4